

RDA Production Tools Release Notes

Version v9.00.03-g0e47317c (2016-06-17)

1. Version Information

- Version Number: v9.00.03-g0e47317c
- Release Date: 2016-06-17
- Version Details:
 - Download Tool (fpdownload.exe)
 - Upgrade Tool (fpupgrade.exe)
 - Write IMEI Tool (WriteIMEI.exe)
 - Verify IMEI Tool (VerifyIMEI.exe)

2. The Main Updates

- ✚ Support the new factory zone structure (magic number 0xFAC00200);
- ✚ Download, upgrade, write IMEI and verify IMEI tools can support Phase Check function;
- ✚ The write IMEI tool supports write Bluetooth address function, the verify IMEI tool supports read and verify Bluetooth address functions;
- ✚ The write IMEI tool: this version only support the lod generated behind 20160616; The earlier generated lod can only be supported by the previous tools (wimei.exe, wmbsn.exe, wpsn.exe). At the same time, this write IMEI tool doesn't support lod compiled from branch bv5;
- ✚ All tools have some optimized changes than the previous version.

The detailed change lists:

Tool	Changes	Description
Download, Upgrade		
Write IMEI	When check station failed, display error message, and stop to write IMEI/SN/BT.	
	Modification: when chose customized IMEI, resolve the problem of cannot save the modified initial and mask code.	
	The maximum limits of configuration dialog box can only be numbers.	





	The length of customized IMEI/SN, initial/mask code should be changed according to the actual condition. For example: if the length of SN is 14, the length of initial/mask code can only be 14.	
	Resolved: Buttons “Clear History” and “Stop” on Write IMEI main window are too closely, it is so easy to have wrong options.	
Verify IMEI	Resolved: Processes fail to exit properly at sometimes.	
Calibration		

3. Updates of manual


- All Release notes update to the newest version, and add English release notes;
- Add factory zone data structure instructions;
- Add Phase Check instructions for both Chinese and English.

Version v9.00.03-6fc5724f (2016-06-21)

1. Version Information

- Version Number: v9.00.03- 6fc5724f
- Release Date: 2016-06-21
- Version details:
 -  Download Tool (fpdownload.exe)
 -  Upgrade Tool (fpupgrade.exe)
 -  Write IMEI Tool (WriteIMEI.exe)
 -  Verify IMEI Tool (VerifyIMEI.exe)

2. The Main Updates

-  Upgrade Tool: resolved the bug of ramrun: When the download check station has been held, chose the control flow to upgrade, if the checked and current check stations are not empty, the download will fail.

Recurrence the problem, the first download configuration as follow:



The second download configuration as follow:



When download 100%, report an error as follow, and download failed:

<input checked="" type="checkbox"/>	USB-3-3	Verify	Verify failed: boot magic mismatch	Failed	0:50
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- ✚ Resolved problem of verify IMEI tool: record verify check station failed.
- ✚ Remove some unnecessary configuration files (comparefile.lod, flashlist.cfg, lcdlist.cfg, mac_history.data, macdemo.xls).
- ✚ Version of SPRD: tools are separately placed in different folders.





Tool	Changes	Description
Download, Upgrade	Resolved a bug of ramrum	
Write IMEI		
Verify IMEI	Resolved the problem of Verify Station cannot be wrote to chip flash	
Calibration		

3. Update of manual




- Release Note;
- Modify the operational process of tools in user guide.

Version v9.00.03--f66ef5ac (2016-06-23)

1. Version Information





- Version Number: v9.00.03- f66ef5ac
- Release Date:2016-06-23
- Version Details:
 -  Download Tool (fpdownload.exe)
 -  Upgrade Tool (fpupgrade.exe)
 -  Write IMEI Tool (WriteIMEI.exe)
 -  Verify IMEI Tool (VerifyIMEI.exe)

2. The Main Updates:


-  Add write SN function on Download Tool, but the interface style is not confirmed, so some problems may exist on interface operation;
-  Modify the display timing of write IMEI/SN: When the configuration of write IMEI is set, the IMEI/SN/BT will display on UI;
-  Resolved bug: Download on USB mode, upgrade, write IMEI and verify IMEI failed sometimes, and report an error with: “Unable to get chip ID: IO error.”

Version v9.00.03- ac1b4a51 (2016-07-01)

1. Version Information

- Version Number: v9.00.03- ac1b4a51
- Release Date: 2016-07-01
- Version Details:
 -  Download Tool (fpdownload.exe)
 -  Upgrade Tool (fpupgrade.exe)
 -  Write IMEI Tool (WriteIMEI.exe)
 -  Verify IMEI Tool (VerifyIMEI.exe)

2. The Main Updates

-  Download Tool
 - ✓ Improve the function of write SN;
 - ✓ Modify the USB download function: **improve the stability of multi-port download;**



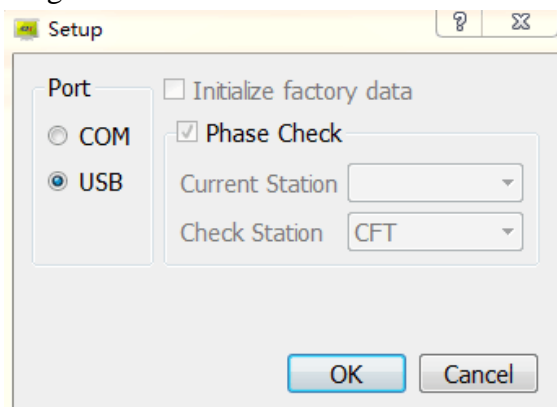
Write IMEI tool

- ✓ **Resolve bug:** write IMEI tool exceptional, when write the second chip, report an error: “Unable to get flash info from device: not support”。
- ✓ **Resolve bug: If don't initial the factory zone, there is a risk of erasing the data of factory zone.** If don't choose the control follow, and only write IMEI, the SN and Bluetooth will be erased.
- ✓ The IMEI/BT/SN have been wrote will displayed on interface.
- ✓ The dialog boxes, data auto generated on UI, are set as not editable.
- ✓ If the input items contain manual input ones, the program will start as the manual input finished.



Upgrade Tool

- ✓ Modify the USB download function: **improve the stability of multi-port download;**
- ✓ **Add calibration check function,** and this function is default opened, it can be closed through modify the configuration file (upgrade.ini).
isCheckCalib = 1 Open calibration check;
isCheckCalib = 0 Close calibration and upgrade immediately;
- ✓ Initial the **“Initialize factory data”** in setup dialog as **not editable**, and the factory data is default not initialize; Users can enable this function by modifying the upgrade.ini.
isEnabledInitFact = 1 “Initialize factory data” is editable;
isEnabledInitFact = 0 “Initialize factory data” is not editable;
- ✓ Initial the **“Phase Check”** in setup dialog as **not editable**; Users can enable this function by modifying the upgrade.ini. The default setting as follow:



isEnabledPhaseCheck = 1 “Phase Check” is editable;
isEnabledPhaseCheck = 0 “Phase Check” is not editable;



Verify IMEI Tool

- ✓ Make the length of MBSN/PSN/Bluetooth are changeable, which is fixed on previous version; And this function can be selected by modify the configuration file.








Others

- ✓ Improve the step message of download and upgrade tools;
- ✓ Modify the SPRD log files, which is too big to be stored;
- ✓ Modify the switch of language options: the English option modified as “English”.

Version v9.00.03- f178415e (2016-07-04)

1. Version Information

- Version Number: v9.00.03- f178415e
- Release Date: 2016-07-04
- Version Details:
 -  Download Tool (fpdownload.exe)
 -  Upgrade Tool(fpupgrade.exe)
 -  Write IMEI Tool (WriteIMEI.exe)
 -  Verify IMEI Tool (VerifyIMEI.exe)
 -  Check Seat Tool (CheckSeat.exe)







2. The Main Updates



- Add Check Seat Tool (CheckSeat.exe).

Version v9.00.03- gc38c3b96 (2016-07-13)

1. Version Information

- Version Number: v9.00.03- c38c3b96
- Release Date: 2016-07-13
- Version Details:
 -  Download Tool (fpdownload.exe)
 -  Upgrade Tool(fpupgrade.exe)
 -  Write IMEI Tool (WriteIMEI.exe)
 -  Verify IMEI Tool (VerifyIMEI.exe)
 -  Check Seat Tool (CheckSeat.exe)
 -  Read Station Tool (ReadStation.exe)

2. The Main Updates

Read Station Tool

- ✓ Add Read Station Tool (ReadStation.exe);

Download Tool



- ✓ Add function of auto generate SN number;
- ✓ Add SN table into the download table;
- ✓ If select dialog box of “SN”, clear the box when download finished;
- ✓ Resolved bug: Select the dialog box of “SN”, but do not input SN number, push the start button, then close the warning dialog. When connect the mobile once again, the download progress can also go on;
- ✓ Add log files;
- ✓ Resolved bug: Have a risk of fail to initialize factory data;
- ✓ Resolved bug: Download configuration isPhaseCheck = 1, when download finished, the IMEI/SN are nor cleared;
- ✓ Follow control: Set the default check station, and all selected options are listed in configuration file;
- ✓ Remove the function of manual add write SN.

Upgrade Tool

- ✓ Resolved bug: Have a risk of fail to initialize factory data;
- ✓ Resolved bug: After download and write number process, modify isPhaseCheck = 1, initFactData = 1, isCheckCalib = 1 in configuration file, the changes of configuration do not take effect, the BT/IMEI/SN are not cleared;
- ✓ After download and write number process, then execute calibration process, modify isPhaseCheck = 1, initFactData = 1, isCheckCalib = 0 in configuration file, the changes of configuration take effect, the BT/IMEI/SN are cleared, but the Phase check station becomes messy code.






Verify IMEI Tool

- ✓ Verify the BT value, adjust the display order stay the same with input order;
- ✓ Auto identify the USB port;
- ✓ The length of MBSN/PSN can short than the default length;
- ✓ Follow control: Set the default check station, and all selected options are listed in configuration file;
- ✓ Optimization SN algorithm;
- ✓ When verify/read completed, automatic stop, do not need to click “Stop” button.



-  Write IMEI Tool
 - ✓ Auto identify the USB port;
 - ✓ Follow control: Set the default check station, and all selected options are listed in configuration file;
 - ✓ When write process finished, the manual input dialog box will auto cleared; The data should be manual input before the next process start;
 - ✓ Remove “Clear History” push button, if you want clear history information, remove the history file immediately.
-  Others
 - ✓ Write and Verify Tool cannot be opened at the same time.

Version v9.00.03-g45a88e9f (2016-07-15)

1. Version Information

- Version Number: v9.00.03-g45a88e9f
- Release Date: 2016-07-15
- Version Details
 -  Download Tool (fpdownload.exe)
 -  Upgrade Tool(fpupgrade.exe)
 -  Write IMEI Tool (WriteIMEI.exe)
 -  Verify IMEI Tool (VerifyIMEI.exe)
 -  Check Seat Tool (CheckSeat.exe)

2. The Main Updates

-  Check Seat Tool
 - ✓ Add the function of check seat.
-  Write IMEI Tool
 - ✓ Resolved problem: when choose USB mode to execute continuously write process, the USB ports cannot be found sometimes.

Version v9.00.03-gd0408fb4 (2016-07-30)

1. Version Information

- Version Number: v9.00.03-gd0408fb4
- Release Date: 2016-07-30
- Version Details
 - ✚ Download Tool (fpdownload.exe)
 - ✚ Upgrade Tool (fpupgrade.exe)
 - ✚ Write IMEI Tool (WriteIMEI.exe)
 - ✚ Verify IMEI Tool (VerifyIMEI.exe)
 - ✚ Check Seat Tool (CheckSeat.exe)

2. The Main Updates

- ✚ Check Seat Tool
 - ✓ Version check (version not matching still can process);
 - ✓ Change to auto identify ports;
- ✚ Write IMEI Tool
 - ✓ Add version check function (if the version number is not fit, the process will be stopped, when executing write process; when executing read process, the version number will not affect);
 - ✓ Add “Factory Reset” function: do not reset the phone to factory more than once, when it has not been restart, or else some error will occurred;
 - ✓ Improve the scan QR code function (the QR code contains two IMEI, PSN and BT mac address, they can be obtained during a single scan);
 - ✓ Add read function for IMEI/SN/BT: the check station will not be changed, when read the imei/sn/bt;
 - ✓ Change the background from grey to black;
- ✚ Verify IMEI Tool
 - ✓ Add version check function (if the version number is not fit, the process will be stopped, when executing verify process; when executing read process, the version number will not affect);
 - ✓ ; Add “Factory Reset” function: do not reset the phone to factory more than once, when it has not been restart, or else some error will occurred;
 - ✓ Resolved bug: Improve and reduce the probability of report error “Download ramrun load failed: time out”;
 - ✓ It is necessary to do not null check, when execute verify process.
- ✚ Download Tool

- ✓ Resolved problem: When dragging the tool main window to narrow down, “This tool erase calibration data” will be covered some part.

✚ Read Station Tool

- ✓ Resolved problem: In Chinese version the name configuration file contains an extra right parenthesis, such as tt.ini);
- ✓ Improve the function of write SN: If the “start” button has been clicked, when the length of input SN reaches the default number, **the process will auto start**; When it is detected that the previous line has started, the cursor automatically jumps to the next line (both input and scanned SN can realize this function); Add a judgment: **preset some bits of SN, and check the input SN matching with the preset or not, the download will execute when it is matching.**

✚ Others

- ✓ Remove the version number in tool titles
- ✓ Adjust the name and position of check station

3. Updates of manual

- Update the user manual for all tools

4. Introductions for changes on check station

On this release version, the sequence of the check station are adjusted.

修改之前的顺序		修改之后的顺序	
STATION 0	= DOWNLOAD	STATION 0	= DOWNLOAD
STATION 1	= WRITESN	STATION 1	= CALIB
STATION 2	= CALIB	STATION 2	= NSTEST
STATION 3	= SMTMMI	STATION 3	= SMTMMI
STATION 4	= BBAT	STATION 4	= BBAT
STATION 5	= ANNTTEST	STATION 5	= ASMMMI
STATION 6	= NSTEST	STATION 6	= ANNTTEST
STATION 7	= ASMMMI	STATION 7	= WRITESN
STATION 8	=	STATION 8	=
STATION 9	=	STATION 9	=

The check station was marked by its index ID, if the sequence is adjusted, the pass status will become disordered. For example, a phone which has initialize the factory section data, download and calibrate with tool release before July 27th, but **do not use the new tool to initial factory data**. When check the station status with two version tools, different show as follow:

27号之前的工具版本	
DOWNLOAD	PASS
WRITESN	FAIL
CALIB	PASS
SMTMMI	FAIL
BBAT	FAIL
ANNTST	FAIL
NSTEST	FAIL
ASMMMI	FAIL

27号以后工具版本	
DOWNLOAD	PASS↕
CALIB	FAIL
NSTEST	PASS↕
SMTMMI	FAIL↕
BBAT	FAIL↕
ASMMMI	FAIL↕
ANNTST	FAIL↕
WRITESN	FAIL↕

After version update, the check station may become disordered and cannot do normal work. Such as follow:

Enabled	Port	Step	Status	Progress	Time
<input checked="" type="checkbox"/>	COM3	Check Flags	Missing station: CALIB	Failed	0:01

Solution:

Rewrite the station to factory area by new order, and modify its station status. The detail operation as follow:

1. Import the new phasecheck file, by setFact tool(for developer), and rewrite the station to phone with new order. The setFact tool can be used to change station status.
2. Do not use the setFact tool. Use upgrade tool or writeIMEI tool to initial factory data and set station (This method will erase imei/sn/bt information, but the calibration data cannot be erased).

Note: The above option is only be operated one time for a single phone. After the station has been adjusted, the disordered condition will not appear.

Version v9.00.04- g9acedd54 (2016-08-19)

1. Version Information

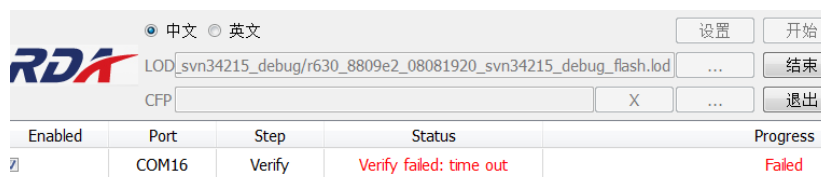
- Version Number: v9.00.04-g9acedd54
- Release Date: 2016-08-19
- Version Details:
 - ✚ Download Tool (fpdownload.exe)
 - ✚ Upgrade Tool(fpupgrade.exe)
 - ✚ Write IMEI Tool (WriteIMEI.exe)
 - ✚ Verify IMEI Tool (VerifyIMEI.exe)
 - ✚ Check Seat Tool (CheckSeat.exe)

2. The Main Updates



All Tools

- ✓ Resolve the problem caused by the 30s's delay of lod;
Such as, the download tool has a big probability to fail, when execute the manual input SN download program exceed 30 seconds;
- ✓ Extend the limit time of waiting for erase the block data;
Resolved the following problem introduced by Download/Upgrade Tools:



- ✓ Add the keyword matching function for all tools' version check;
When the input version information contains the keywords, and the whole input string is a part of lod version then match passed.
The keyword first few chars and length can be modified by KeyVersion and KeyVersionLen in configuration file;
- ✓ Write IMEI Tool, Verify IMEI Tool and Check Seat Tool add "StartDelay" button; And this configuration item can be modified by rewrite the "StartDelay" in configuration file.



Write IMEI Tool

- ✓ Resolved bug: The port may display empty when doing read and write process.
- ✓ Add success rate statistical information.
- ✓ Modify the color of script.
- ✓ IMEI saved in imei_history.data change to divided by comma.



Download Tool

- ✓ Complete tips information.

Version v10.00.02- ga6c77637 (2016-09-26)

1. Version Information

- Version Number: v10.00.02-g a6c77637
- Release Date: 2016-09-26
- Version Details:

- + Download Tool (fpdownload.exe)
- + Upgrade Tool (fpupgrade.exe)
- + Write IMEI Tool (WriteIMEI.exe)
- + Verify IMEI Tool (VerifyIMEI.exe)
- + Check Seat Tool (CheckSeat.exe)
- + Reset Factory Tool (resetFactory.exe)

2. The Main Updates

+ Write IMEI Tool

- ✓ **Modify:** Support 15 bits IMEI.
- ✓ **Modify:** If choose 15 bits length IMEI, when generate IMEI by accumulation by step the accumulated bit can be chosen between 14th and 15th bit.
- ✓ **Modify:** If select 15 bits length IMEI, the effectiveness checking is optional.

Notes: The 14th of 14 bits length IMEI is calculated by arithmetic, and the effectiveness checking is default option. When use the 15 bits length IMEI, the 14 bit is default to accumulation by step, and default not to check effectiveness.

- ✓ Resolved bug: it is certainly failed when only write Bluetooth data.
- ✓ Resolved bug: If the IMEI is manual input, click “Read”, wait for process passed and pull out the phone, then click “Write” the input IMEI number is not erased.(Change to auto clean the input IMEI when click “Stop” button).
- ✓ Resolved bug: The repeat check failed when IMEI and SN are import from excel file.
- ✓ Resolved bug: Fail to set the maximum of MBSN and PSN through setup dialog.
- ✓ Resolved bug: Fail to set the customized mask and initial code.
- ✓ Modify: When choose manual input mode, the cursor locates at the first item of input ones.
- ✓ Modify: Multiple IMEI are displayed on different lines.
- ✓ Modify: When input illegal IMEI and click “Write” button, error tips will displayed.
- ✓ Modify: When reopen the tool, last version information will displayed.
- ✓ Modify: When file mode or customized mode process passed(5-10 circles), relevant information will displayed on interface.

+ Download Tool








- ✓ Resolve the problem of cannot open port when flash is empty and lead to fail of download process. Show as follow:

Enabled	Port	Step	Status	Progress	Time
<input checked="" type="checkbox"/>	COM4	Open Port		Failed	0:03



 Add **resetFactory.exe** tool

Version v10.00.03-gf6e3ca01 (2016-10-18)

1. Version Information

- Version Number: v10.00.03-gf6e3ca01
- Release Date: 2016-10-18
- Version Details:
 -  Download Tool (fpdownload.exe)
 -  Upgrade Tool(fpupgrade.exe)
 -  Write IMEI Tool (WriteIMEI.exe)
 -  Verify IMEI Tool (VerifyIMEI.exe)
 -  Check Seat Tool (CheckSeat.exe)
 -  Reset Factory Tool(resetFactory.exe)
 -  Final Check Tool(FinalCheck.exe)

2. The Main Updates

-  All Tools: Only one tool program can be opened at the same time.
-  CheckSeat.exe

Add check box before check stations, only when the check box is selected the corresponding station will be checked.

When reopen the tool, the calibration item table maintain the same status as last closed.

During the “Read” and “Verify” process, the station item table is not editable.

Version v11.00.01-ge5afb415 (2017-01-11)

1. Version Information

- Version Number: v11.00.01-ge5afb415
- Release Date: 2017-01-11
- Version Details:

- + Download Tool (fpdownload.exe)
- + Upgrade Tool(fpupgrade.exe)
- + Write IMEI Tool (fpWriteIMEI.exe)
- + Verify IMEI Tool (fpVerifyIMEI.exe)
- + Check Seat Tool (CheckSeat.exe)
- + Read Station Tool (ReadStation.exe)
- + Reset Factory Tool(resetFactory.exe)

2. The Main Updates

- + Support 8809e2, 8955 and do not support 8809 anymore.
- + For all tools, the USB function can be controlled through configure enableUSB item in configuration file.
- + For write IMEI, verify IMEI, check station tools, the write BT function can be controlled through configure enableBT item in configuration file.
- + All tools, which contain the version check function, can enable or disable this check function by editing configuration file.
- + Resolved bug: COM mode download problem. The COM port is probable cannot be identified when use the PL2303HX USB com switch tool and force stop during download process.
- + Resolved bug: Upgrade tool show error tips: "Flash programmer not started: time out", then update ramrun file to resolve it.
- + Update user guide documents.

Version v11.00.02-g193fac3b (2017-03-07)

1. Version Information

- Version Number: v11.00.02-g193fac3b
- Release Date: 2017-03-07
- Version Details:
 - + Download Tool (fpdownload.exe)
 - + Upgrade Tool(fpupgrade.exe)
 - + Write IMEI Tool (fpWriteIMEI.exe)
 - + Verify IMEI Tool (fpVerifyIMEI.exe)
 - + Check Seat Tool (CheckSeat.exe)
 - + Read Station Tool (ReadStation.exe)
 - + Reset Factory Tool(resetFactory.exe)

2. The Main Updates

- + This version support 8955 U02 phone/module on download, write IMEI and

verify function. The DebugHost and USB mode can all work.

- ✚ Support 8955 U01 phone/module, but only can work on DebugHost mode.

Version v11.00.03-g42885195 (2017-03-30)

1. Version Information

- Version Number: v11.00.03-g42885195
- Release Date: 2017-03-30
- Version Details:
 - ✚ Download Tool (fpdownload.exe)
 - ✚ Upgrade Tool(fpupgrade.exe)
 - ✚ Write IMEI Tool (fpWriteIMEI.exe)
 - ✚ Verify IMEI Tool (fpVerifyIMEI.exe)
 - ✚ Check Seat Tool (CheckSeat.exe)
 - ✚ Read Station Tool (ReadStation.exe)
 - ✚ Reset Factory Tool(resetFactory.exe)

2. The Main Updates

- ✚ Update 8955and 8826 usb ramrun----modify the configuration of charging current.

Version v11.00.04-g67e50c7a (2017-05-31)

1. Version Information

- Version Number: v11.00.04-g67e50c7a
- Release Date: 2017-05-31
- Version Details:
 - ✚ Download Tool (fpdownload.exe)
 - ✚ Upgrade Tool(fpupgrade.exe)
 - ✚ Write IMEI Tool (fpWriteIMEI.exe)
 - ✚ Verify IMEI Tool (fpVerifyIMEI.exe)
 - ✚ Check Seat Tool (CheckSeat.exe)
 - ✚ Read Station Tool (ReadStation.exe)
 - ✚ Reset Factory Tool(resetFactory.exe)

2. The Main Updates

- ✚ Update 8955 host and usb ramrun---Resolved bug1212: Error tips “Flash programmer not started: time out” when write IMEI through hostdebug mode.;

Version v11.00.05-g2225356d (2017-07-26)

1. Version Information

- Version Number: v11.00.05-g2225356d
- Release Date: 2017-07-26
- Version Details:
 - ✚ Download Tool (fpdownload.exe)
 - ✚ Upgrade Tool(fpupgrade.exe)
 - ✚ Write IMEI Tool (fpWriteIMEI.exe)
 - ✚ Verify IMEI Tool (fpVerifyIMEI.exe)
 - ✚ Check Seat Tool (CheckSeat.exe)
 - ✚ Read Station Tool (ReadStation.exe)
 - ✚ Reset Factory Tool(resetFactory.exe)

2. The Main Updates

- ✚ Add power off function for all tools. It becomes selectable whether to power off when current process finished. This function is only used on 895/8527 chip.

Version v11.00.06-g52eb4cbc (2017-07-29)

1. Version Information

- Version Number: v11.00.06-52eb4cbc
- Release Date: 2017-07-29
- Version Details:
 - ✚ Download Tool (fpdownload.exe)
 - ✚ Upgrade Tool(fpupgrade.exe)
 - ✚ Write IMEI Tool (fpWriteIMEI.exe)
 - ✚ Verify IMEI Tool (fpVerifyIMEI.exe)
 - ✚ Check Seat Tool (CheckSeat.exe)
 - ✚ Read Station Tool (ReadStation.exe)

- ✚ Reset Factory Tool(resetFactory.exe)

2. The Main Updates

- ✚ The power off function can also be used on 8809e2.
- ✚ Resolved bug: SC6533+XMC Flash download failed.

Version v11.00.07-g0da1f304 (2017-08-14)

1. Version Information

- Version Number: v11.00.07-g0da1f304
- Release Date: 2017-08-14
- Version Details:
 - ✚ Download Tool (fpdownload.exe)
 - ✚ Upgrade Tool(fpupgrade.exe)
 - ✚ Write IMEI Tool (fpWriteIMEI.exe)
 - ✚ Verify IMEI Tool (fpVerifyIMEI.exe)
 - ✚ Check Seat Tool (CheckSeat.exe)
 - ✚ Read Station Tool (ReadStation.exe)
 - ✚ Reset Factory Tool(resetFactory.exe)

2. The Main Updates

- ✚ The fpupgrade tool add function of erasing UserData.


Version v11.01.00-ge941201e (2018-01-29)

1. Version Information

- Version Number: v11.01.00-ge941201e
- Release Date: 2018-01-29
- Version Details:
 - ✚ Download Tool (fpdownload.exe)
 - ✚ Upgrade Tool(fpupgrade.exe)
 - ✚ Write IMEI Tool (fpWriteIMEI.exe)
 - ✚ Verify IMEI Tool (fpVerifyIMEI.exe)
 - ✚ Check Seat Tool (CheckSeat.exe)
 - ✚ Read Station Tool (ReadStation.exe)








 Reset Factory Tool(resetFactory.exe)

2. The Main Updates




 Begin to support 8909.

Version v11.01.01-g19aba647 (2018-05-08)

1. Version Information





- Version Number: v11.01.01-g19aba647
- Release Date: 2018-05-08
- Version Details:
 -  Download Tool (fpdownload.exe)
 -  Upgrade Tool(fpupgrade.exe)
 -  Write IMEI Tool (fpWriteIMEI.exe)
 -  Verify IMEI Tool (fpVerifyIMEI.exe)
 -  Check Seat Tool (CheckSeat.exe)
 -  Read Station Tool (ReadStation.exe)
 -  Reset Factory Tool(resetFactory.exe)

2. The Main Updates

-  Support 8909 u02.
-  Add log refresh function on download tool.
-  Add a check station on upgrade tool.

Version v11.01.01-g30c724b1 (2018-05-18)

1. Version Information

- Version Number: v11.01.01-g30c724b1
- Release Date: 2018-05-18
- Version Details:
 -  Download Tool (fpdownload.exe)
 -  Upgrade Tool(fpupgrade.exe)
 -  Write IMEI Tool (fpWriteIMEI.exe)
 -  Verify IMEI Tool (fpVerifyIMEI.exe)

- + Check Seat Tool (CheckSeat.exe)
- + Read Station Tool (ReadStation.exe)
- + Reset Factory Tool(resetFactory.exe)

2. The Main Updates

- + Support 8909 u02 64m.
 - + Upgrade tool: Add NB calibration check flag function, begin to support module with GSM and NB at the same time.
 - + Checkseat tool: Add NB calibration check flag, and begin to support module with both GSM and NB. Resolve the probabilistic failure problem of lod ramrun and open ports.
- Note: This version do not execute CRC verification when doing standard checking/display.

Version v11.01.02-g0ec0645b (2018-07-17)

1. Version Information

- Version Number: V11.01.02-g0ec0645b
- Release Date: 2018-07-17
- Version Details:
 - + Download Tool (fpdownload.exe)
 - + Upgrade Tool(fpupgrade.exe)
 - + Write IMEI Tool (fpWriteIMEI.exe)
 - + Verify IMEI Tool (fpVerifyIMEI.exe)
 - + Check Seat Tool (CheckSeat.exe)
 - + Read Station Tool (ReadStation.exe)
 - + Reset Factory Tool(resetFactory.exe)

2. The Main Updates

- + Checkseat Tool: Modify part of log information. Resolved the problem of that check station and calibration items cannot be totally diaplayed.
- + Upgrade tool: Change the default check stations.
- + All tools: support write-protect function for flash. Update ramrun file.
- + Download and WriteIMEI tool: Enable the power off function.
- + Download and upgrade tool: Add configuration items: isKeepInfo, isKeepInfo and PowerOff. When this three items are set as “1” at the same time, the download status of current chis will be saved until the chip connectted next time.

Version v11.01.03-ge264b567 (2018-08-11)

1. Version Information

- Version Number: V11.01.03-g e264b567
- Release Date: 2018-08-11
- Version Details:
 - ✚ Download Tool (fpdownload.exe)
 - ✚ Upgrade Tool(fpupgrade.exe)
 - ✚ Write IMEI Tool (fpWriteIMEI.exe)
 - ✚ Verify IMEI Tool (fpVerifyIMEI.exe)
 - ✚ Check Seat Tool (CheckSeat.exe)
 - ✚ Read Station Tool (ReadStation.exe)
 - ✚ Reset Factory Tool(resetFactory.exe)

2. The Main Updates

- ✚ For all tools: modify all tool to make them work well on chip 8908a U03.

Version v11.01.04-gbc0ec205 (2018-10-14)

1. Version Information








- Version Number: V11.01.04-g bc0ec205
- Release Date: 2018-10-14
- Version Details:
 - ✚ Download Tool (fpdownload.exe)
 - ✚ Upgrade Tool(fpupgrade.exe)
 - ✚ Write IMEI Tool (fpWriteIMEI.exe)
 - ✚ Verify IMEI Tool (fpVerifyIMEI.exe)
 - ✚ Check Seat Tool (CheckSeat.exe)
 - ✚ Read Station Tool (ReadStation.exe)
 - ✚ Reset Factory Tool(resetFactory.exe)

2. The Main Updates



- ✚ Fpupgrade, CheckSeat and WriteIMEI tool: Erase user data operation change to erase FileSystem area data.
- ✚ resetFactory: Add erase FileSystem data operation.

Version v11.01.05-gXXXX (2018-11-XX)

1. Version Information








- Version Number: V11.01.05-gXXXX
- Release Date: 2018-11-XX
- Version Details:
 -  Download Tool (fpdownload.exe)
 -  Upgrade Tool(fpupgrade.exe)
 -  Write IMEI Tool (fpWriteIMEI.exe)
 -  Verify IMEI Tool (fpVerifyIMEI.exe)
 -  Check Seat Tool (CheckSeat.exe)
 -  Read Station Tool (ReadStation.exe)
 -  Reset Factory Tool(resetFactory.exe)

2. The Main Updates


-  Fpupgrade and Download tool: Add function to prevent download lod,which isn't include "XCV_MODEL=xcv_8909" in header. Add column number.
-  Update user guide of tools.

Current Version v11.01.06-gXXXX (2019-06-XX)

1. Version Information

- Version Number: V11.01.06-gXXXX
- Release Date: 2019-06-XX
- Version Details:
 -  Download Tool (fpdownload.exe)
 -  Upgrade Tool(fpupgrade.exe)
 -  Write IMEI Tool (fpWriteIMEI.exe)
 -  Verify IMEI Tool (fpVerifyIMEI.exe)
 -  Check Seat Tool (CheckSeat.exe)
 -  Read Station Tool (ReadStation.exe)
 -  Reset Factory Tool(resetFactory.exe)

2. The Main Updates

-  Fpupgrade / Download tool

Fix bug: The second time to download V3 software version, port probabilistic open failure.



WriteImei tool

Fix bug: port probabilistic open failure